

# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

OCTOBER 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

### FARMERS' BULLETINS

Preventing damage by Lyctus powder-post beetles. T. E. Snyder, Bureau of Entomology and Plant Quarantine. 14 p., illus. (F. B. 1477F., rev.) Price, 5¢.

Preparing strawberries for market. R. G. Hill, Bureau of Agricultural Economics. 22 p., illus. (F. B. 1560F., rev.) Price, 5¢.

Cucumber growing. W. R. Beattie, Bureau of Plant Industry. 22 p., illus. (F. B. 1563F., rev.) Price, 5¢.

Game laws for the season 1936-37: A summary of Federal, State, and provincial statutes. H. P. Sheldon and Frank G. Grimes, Bureau of Biological Survey. 38 p., illus. (F. B. 1766F.) Price, 5¢.

### LEAFLETS

Woods burning in the South. Forest Service. 4 p. (Leaf. 40L., rev.) Price, 5¢.

Excluding birds from reservoirs and fishponds. W. L. McAtee and S. E. Piper, Bureau of Biological Survey. 6 p., illus. (Leaf. 120L.) Price, 5¢.

### TECHNICAL BULLETINS

A second revision of the chalcid flies of the genus Harmolita (*Isosoma*) of America north of Mexico, with descriptions of 20 new species. W. J. Phillips, Bureau of Entomology and Plant Quarantine. 26 p., illus. (T. B. 518T.) Price, 5¢.

Transportation of apples from the Shenandoah-Cumberland section to overseas markets. Paul L. Harding and Charles L. Powell, Bureau of Plant Industry. 27 p., illus. (T. B. 523T.) Price, 5¢.

Flow of water around 180-degree bends. David L. Yarnell, Bureau of Agricultural Engineering, and Sherman M. Woodward, University of Iowa; in cooperation with the University of Iowa College of Engineering. 64 p., illus. (T. B. 526T.) Price, 10¢.

Progressive effects of *Polyporus versicolor* on the physical and chemical properties of red gum sapwood. Theodore C. Scheffer, Bureau of Plant Industry. 46 p., illus. (T. B. 527T.) Price, 10¢.

The comparative moisture-absorbing and moisture-retaining capacities of peat and soil mixtures. I. C. Feustel, and H. G. Byers, Bureau of Chemistry and Soils. 26 p., illus. (T. B. 532T.) Price, 5¢.

Toxicity of food containing selenium as shown by its effect on the rat. Hazel E. Munsell, Grace M. DeVaney, and Mary H. Kennedy, Bureau of Home Economics. 26 p., illus. (T. B. 534T.) Price, 5¢.

### CIRCULARS

Dimension-stock methods for New England hardwoods. A. O. Benson, Forest Service. 61 p., illus. (Cir. 394C.) Price, 10¢.

A simple method for detecting mastitis streptococci in milk. R. P. Hotis, Bureau of Dairy Industry, and W. T. Miller, Bureau of Animal Industry. 7 p., illus. (Cir. 400C.) Price, 10¢.

Control of the Japanese beetle and its grub in home yards. W. E. Fleming and F. W. Metzger, Bureau of Entomology and Plant Quarantine. 15 p., illus. (Cir. 401C.) Price, 5¢.

Results from breeding rabbits that are suckling young. Chas. E. Kellogg, Bureau of Biological Survey. 8 p. (Cir. 410C.) Price, 5¢.

An improved method for converting an observed skein strength of cotton yarn to the strength of a specified yarn count. Malcolm E. Campbell, Bureau of Agricultural Economics in cooperation with Clemson Agricultural College. 19 p., illus. (Cir. 413C.) Price, 5¢.

Farmer bankruptcies, 1898-1935. David L. Wickens, Bureau of Agricultural Economics. 32 p., illus. (Cir. 414C.) Price, 5¢.

The farm real estate situation, 1935-36. B. R. Stauber and M. M. Regan, Bureau of Agricultural Economics. 40 p., illus. (Cir. 417C.) Price, 5¢.

#### MISCELLANEOUS PUBLICATIONS

Officials and organizations concerned with wildlife protection, 1936. Frank G. Grimes, Bureau of Biological Survey. 16 p., illus. (M. P. 244M.) Price, 5¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Rules and regulations of the Secretary of Agriculture under the United States Standard Container Act of August 31, 1916 (39 Stat. 673), as amended June 11, 1934 (48 Stat. 930). Bureau of Agricultural Economics. (S. R. A.-B. A. E. 104, rev., July 1936.)<sup>1</sup>

Bureau of Animal Industry, Service and Regulatory Announcements. September 1936; pp. 89-96. (S. R. A.-B. A. I. 353.) Price, 5¢ each.<sup>2</sup>

Bureau of Entomology and Plant Quarantine, Service and Regulatory Announcements, 1935. Index. 3 p.<sup>1</sup>

Bureau of Entomology and Plant Quarantine, Service and Regulatory Announcements. April-June 1936. Pp. 41-93. (S. R. A.-B. E. P. Q.)<sup>1</sup>

Notice of lifting of date palm scale quarantine. Effective July 1, 1936. Bureau of Entomology and Plant Quarantine. 1 p. (B. E. P. Q.-Q. 6.)<sup>1</sup>

Notices of judgment under the Food and Drugs Act, nos. 21001-22000, index. Food and Drug Administration. Pp. 531-562.<sup>1</sup>

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 207-240. (N. J., F. D. 25376-25425.) Drugs; pp. 241-274. (N. J., F. D. 25426-25525.) Foods; pp. 275-297. (N. J., F. D. 25526-25550.) Foods; pp. 299-342. (N. J., F. D. 25551-25650.)<sup>1</sup>

#### OTHER PUBLICATIONS

Plant material introduced by the Division of Plant Exploration and Introduction. Bureau of Plant Industry, April 1 to June 30, 1934. (Nos. 105036-105932.) 38 p. (Inventory 119.) Price, 5¢.

#### PERIODICALS

*Free distribution* of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 10, October 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year foreign.<sup>2</sup>

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

Crops and markets. Vol. 13, no. 9, September 1936. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.<sup>3</sup>

Experiment station record. Vol. 75, no. 4, October 1936. Price, \$1 per volume (2 volumes a year), consisting of 6 monthly numbers and index; \$1.50 per volume, foreign. Single number for sale only. Price, 15¢.<sup>2</sup>

A technical view of the world's scientific literature pertaining to agriculture.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢ domestic; 20¢ foreign. Separates, 5¢ domestic; 8¢ foreign.<sup>2</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Journal of agricultural research. Vol. 52, January 1-June 15, 1936. Title page, contents, and index. Pp. 975-983. Price, 5¢.

Vol. 53, no. 4. Illus. August 15, 1936.

Contents:

Lethal high temperatures for conifers, and the cooling effect of transpiration (F-78). Hardy L. Shirley.

Development-temperature correlation in the green bug, *Toxoptera graminum* (K-274). F. M. Wadley.

The calcium and inorganic phosphorus content of the blood serum of swine (Calif.-75). E. H. Hughes.

Nutritive value of the protein of *Cajanus indicus* (Hawaii-3). Carey D. Miller and Ruth C. Robbins.

Studies on the inheritance of resistance to wilt (*Fusarium niveum*) in watermelon (W. Va.-11). L. S. Bennett.

The toxicity of certain chemical agents to *Erwinia amylovora* (Wis.-77). G. W. Keitt, J. A. Pinckard, Luther Shaw, and A. J. Rilker.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Journal of agricultural research. Vol. 53, no. 5. September 1, 1936. Illus.

## Contents

- A method for estimating populations of larvae of the Japanese beetle in the field (K-275). Walter E. Fleming and Francis E. Baker.  
 Alfalfa dwarf, a virus disease transmissible by grafting (G-1022). J. L. Weimer.  
 Nutritive value of the protein in calf lungs, cow udders, and hog spleens (A-170).  
 Ralph Hoagland and George G. Snider.  
 Effect of diet, range, and fattening on the physical and chemical composition of cockerels (A-171). H. M. Harshaw.  
 The relative value of various lards and other fats for the deep-fat frying of potato chips (T-9). Florance B. King, Rosemary Loughlin, R. W. Riemen-schneider, and N. R. Ellis.  
 Fasciation of sweet peas caused by *Phytomonas fascians* n. sp. (Ohio-22). Paul E. Tilford.  
 Specific effects of zinc applications on leaves and twigs of orange trees affected with mottle-leaf (Calif.-76). H. S. Reed and E. R. Parker.

— Vol. 53, no. 6. September 15, 1936. Illus.

## **Contents :**

- The effect of leaf rust accompanied by heat upon yield, kernel weight, bushel weight, and protein content of hard red spring wheat (N. Dak.-12). L. R. Waldron.

The influence of cooking and canning on the vitamin B and G content of lean beef and pork (N. Dak.-13). F. W. Christensen, Esther Latzke, and T. H. Hooper.

Automatically operated sand-culture equipment (G-1023). Frank M. Eaton.

The development of the wheat spike (Ill.-64). O. T. Bonnett.

Effect of packing-house byproducts, in the diet of chickens, on the production and hatchability of eggs (A-172). Harry W. Titus, T. C. Byerly, N. R. Ellis, and R. B. Nestler.

A seedling wilt of black locust caused by *Phytophthora parasitica* (G-1025). Edmund R. Lambert and Bowen S. Crandall.

Monthly weather review. Vol. 64, no. 7, June 1936. Illus. Price, 15¢ a copy;  
\$1.50 a year, domestic; \$2.25 a year, foreign.<sup>2</sup> Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

Public roads. Vol. 17, October 1936. Price, 10¢ a copy.<sup>3</sup>

Soil conservation. Vol. 2, no. 4, October 1936. Price, 10¢ a copy; \$1 a year, domestic.<sup>2</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 40-43, October 6-27, 1936. Price, 50¢  
a year, domestic; \$1 a year, foreign.<sup>2</sup>

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.